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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/716,721	11/20/2000	Thomas Edward Horlander	RCA 89,324 / PU000125	9573

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EXAMINER

SCHULTZ, WILLIAM C

ART UNIT

PAPER NUMBER

2664

DATE MAILED: 05/08/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/716,721

Applicant(s)

HORLANDER ET AL.

Examiner

William C. Schultz

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 November 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 November 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Swenson et al.

[U.S. Pat. 5,926,120].

Regarding claim 1, Swenson et al. discloses all the following subject matters: a serial compressed bus interface, comprising:

a serial-to-parallel converter having a single serial data input line adapted to receive time-division multiplexed serial data from a plurality of data sources; and **(fig. 1, line from part 11 to parts 21-28; col. 3, lines 8-11)**

enable logic adapted to input at least one data valid signal that identifies each of a plurality of data consumers for which the time-division multiplexed serial data is valid. **(fig. 1, part 9; col. 3, lines 19-21)**

Regarding claim 2, Swenson et al. further discloses said serial-to-parallel converter is further adapted to convert the time-division multiplexed serial data to parallel data, and to output the parallel data to the plurality of data consumers. **(fig. 1, parts 21-28 - consumers; col. 3, lines 14-19)**

Regarding claim 3, Swenson et al. further discloses a request control circuit adapted to output at least one request signal that requests the time-division multiplexed serial data for at least one of the plurality of data consumers. **(fig. 1, part 9 - consumers; col. 3, lines 19-21)**

Regarding claims 4,5,9, Swenson et al. further discloses at least one encoder adapted to encode at least one of the at least one data valid signal and the at least one request signal to correspond to more than one of the plurality of data consumers. **(fig. 1, part 9 - consumers; col. 3, lines 19-21; lines 53-59)**

Regarding claims 6,10, Swenson et al. discloses all the following subject matters: a method for transmitting serial compressed data from a plurality of data sources to a plurality of data consumers, comprising the steps of:

time-division multiplexing the serial compressed data from the plurality of data sources to generate time-division multiplexed serial compressed data; and **(fig. 1, part 10)**

transmitting the time-division multiplexed serial compressed data to the plurality of data consumers. **(fig. 1, part 11)**

Further regarding claim 10, the claim just claims interleaving, figure 1 discloses 8-bit interleaving.

Regarding claim 7, Swenson et al. further discloses said transmitting step transmits the time-division multiplexed serial compressed data on a single data line. **(line between fig. 1, part 11 and parts 21-28)**

Regarding claim 8, Swenson et al. further discloses the step of encoding a data valid signal to indicate that the time-division multiplexed serial compressed data is valid for more than

one of the plurality of data consumers. (fig. 3, part c1, fig. 4, part c1 – indicates the outputs from parts 51-58 of fig. 3 are valid)


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Schultz whose telephone number is 703-305-2367. The examiner can normally be reached on M-F(7-4)(first bi-week) M-Th(7-4)(second bi-week).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 703-305-4366. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-305-9000 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

William Schultz
May 2, 2003



WELLINGTON CHIN
SUPERVISORY BOARD EXAMINER
TECHNOLOGY CENTER 703-305-9000